

Mainsail: 6001222 Ferd Main-1.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001222 Ferd\6001222 Ferd Main-1.des

Initial Design Date: 5/1/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 5.432m
Leech geodesic: 5.804m
Foot geodesic: 2.263m
Head geodesic: 0.089m
Upper width (MUW): 0.424m
Three-quarter width (MTW): 0.766m
Half width (MHW): 1.356m
Quarter width (MQW): 1.844m
Foot median: 5.598m
ORC Mainsail area: 6.978m?
Surface area: 7.191m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.672m	0.104m	69.509?	4.342m	4.634m	Full
60.000%	1.169m	0.140m	69.509?	3.256m	3.476m	Full
40.000%	0.700m	0.119m	69.509?	2.171m	2.317m	
20.000%	0.700m	0.068m	69.509?	1.085m	1.159m	

Reefing Points

1, Luff: 0.815m ; Leech: 0.856m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 1.629m ; Leech: 1.713m ; Offset: 0.000m ; Number Eyelets: 2

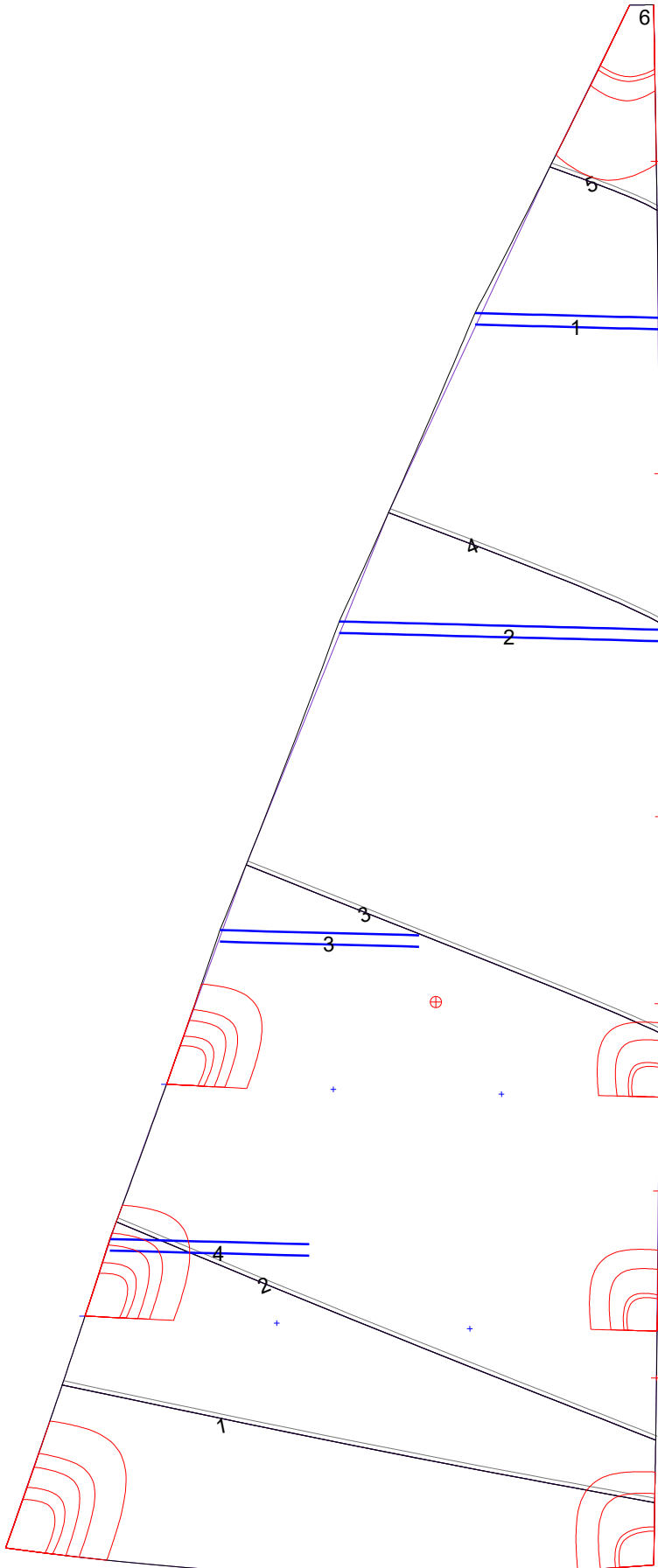
Luff Slides

1, Position: 0.651m
2, Position: 1.303m
3, Position: 1.954m
4, Position: 2.605m
5, Position: 3.799m
6, Position: 4.887m

Luff Curve

		Fanned Luff (@ 5.00% [0.113m])	Before BSeam
5.432m,	0.000m	100% (5.432m) :	0.000m
4.755m,	-0.011m	90% (4.889m) :	0.007m
4.074m,	-0.019m	80% (4.346m) :	0.013m
3.391m,	-0.024m	70% (3.802m) :	0.017m
2.716m,	-0.024m	60% (3.259m) :	0.018m
2.024m,	-0.023m	50% (2.716m) :	0.018m
1.358m,	-0.018m	40% (2.173m) :	0.017m
0.677m,	-0.010m	30% (1.630m) :	0.014m
0.000m,	0.000m	20% (1.086m) :	0.010m
		10% (0.543m) :	0.005m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.015m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	7.25
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	7.16	1,2,3,4,5 6